

Claims

1. A method of increasing cerebral bioavailability of a physiologically active composition in an individual comprising administering an NO-increasing agent or agents to the individual in need of enhanced drug delivery, wherein said agent is administered substantially contemporaneously with the physiologically active composition whose delivery is to be enhanced.

2. A method of increasing cerebral bioavailability of a physiologically active composition in an individual comprising introducing the composition into the blood stream of the individual substantially contemporaneously with a blood flow enhancing amount of L-arginine.

3. A method of increasing cerebral bioavailability of a physiologically active composition in an individual comprising introducing the composition into the blood stream of the individual substantially contemporaneously with a blood flow enhancing amount of an agent which increases the production of NO by preexisting ecNOS.

4. A method of increasing cerebral bioavailability of a physiologically active composition in an individual comprising introducing the composition into the blood stream of the individual substantially contemporaneously with a blood flow enhancing amount of an agent which increases the production of NO by preexisting ecNOS and at least one other NO-increasing agent.

5. The method according to claim 3 or claim 4, further wherein the agent which increases the production of NO by preexisting ecNOS is selected from the group consisting of L-arginine, NADPH, and tetrahydrobiopterin.

6. The method according to claim 3 or claim 4, further wherein the agent which increases the production of NO by preexisting ecNOS is L-arginine.

7. The method according to claim 4, wherein the agent which increases the production of NO by preexisting ecNOS is L-arginine and the at least one other NO-increasing agent is a different agent which increases the production of NO by preexisting ecNOS.

8. The method according to claim 4, wherein the agent which increases the production of NO by preexisting ecNOS is L-arginine and the at least one NO-increasing agent which is a non-ecNOS NO-generating system.

9. The method according to any one of claims 1 to 3 wherein the individual in need of enhanced drug delivery has experienced, is experiencing, or is at abnormally elevated risk of experiencing an ischemic stroke.

10. The method according to any one of claims 1 to 3 wherein the physiologically active composition has a site of action in the brain.

11. A composition for increasing cerebral bioavailability of a physiologically active composition in an individual comprising a blood-flow enhancing amount of an NO-increasing agent or cocktail and the physiologically active composition.

12. The composition according to claim 11, wherein the NO-increasing cocktail comprises an agent which increases the production of NO by preexisting ecNOS.

13. The composition according to claim 11, wherein the NO-increasing cocktail comprises an agent which increases the production of NO by preexisting ecNOS and at least one other NO-increasing agent.

14. The composition according to claim 12 or claim 13, wherein the agent which increases the production of NO by preexisting ecNOS is selected from the group consisting of L-arginine, NADPH, and tetrahydrobiopterin.

15. The composition according to claim 12 or claim 13, wherein the agent which increases the production of NO by preexisting ecNOS is L-arginine.

16. The composition according to claim 13, comprising L-arginine and at least one other NO-increasing agent which is a different an agent which increases the production of NO by preexisting ecNOS.

17. The composition according to claim 13 or 16, comprising L-arginine and at least one NO-increasing agent which is a non-ecNOS NO-generating system.

18. The composition according to any one of claims claim 11 to 13, wherein the physiologically active composition has a site of action in the brain.

19. The composition according to any one of claims 11 to 13, wherein the composition is packaged according to Blow/Fill/Seal technology.